

Air Quality Stack Test Joint Application Design and Process Improvement Report Out

August 11-15, 2008

The Team



Team Members

Brian Hutchins

- Jeremy Arndt, AQB DNR
- Diane Brockshus, AQB DNR
- Dawn Connet, IT DNR
- Karrie Darnell, AQB DNR
- Corey Detter, AQB DNR
- Marguerite Fitchpatric, IT DNR
- Brian Hutchins, AQB DNR
- Sarah Piziali, AQB DNR
- Mike Rohlf, DOM
- Aaron Schmidt, AQB DNR
- Mark Stone, AQB DNR
- Nathan Stueve, AQB DNR
- Dennis Thielen, AQB DNR

Background Brian Hutchins

Why did we do this?

Objectives

Karrie Darnell

- Identify the needs of the Air Quality staff for the system
- Outline the system design to provide a developer the requirements for a stack test system to be readily and easily available to Air Quality staff
- Determine what historical data can and will be imported
- Estimate the development effort and set completion date
- Develop the system to centralize the data
- Standardize data entry

Goals Sarah Piziali

- Improve query accuracy by 100%
- Stack Test System operating by June 30, 2009
- Develop a training program for the Stack Test System by June 30, 2009
- Determine responsibilities of the users of Stack Test System by June 30, 2009

Joint Application Design and Process Improvement Methodology

Dawn Connet and Mike Rohlf

- Clear objectives
- Team process
- Tight focus on time
- Quick & simple
- Necessary resources immediately available
- Immediate results (new process designed by end of week)

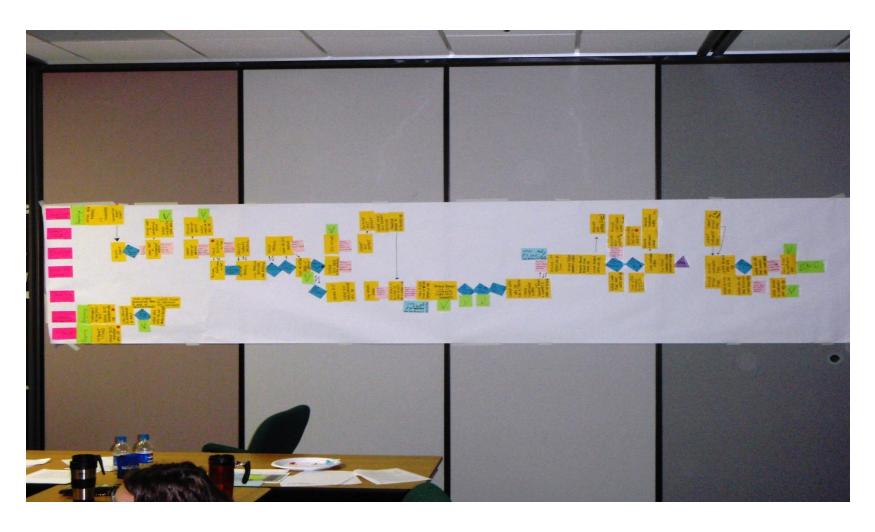
Changes From Old to New Process

Corey Detter

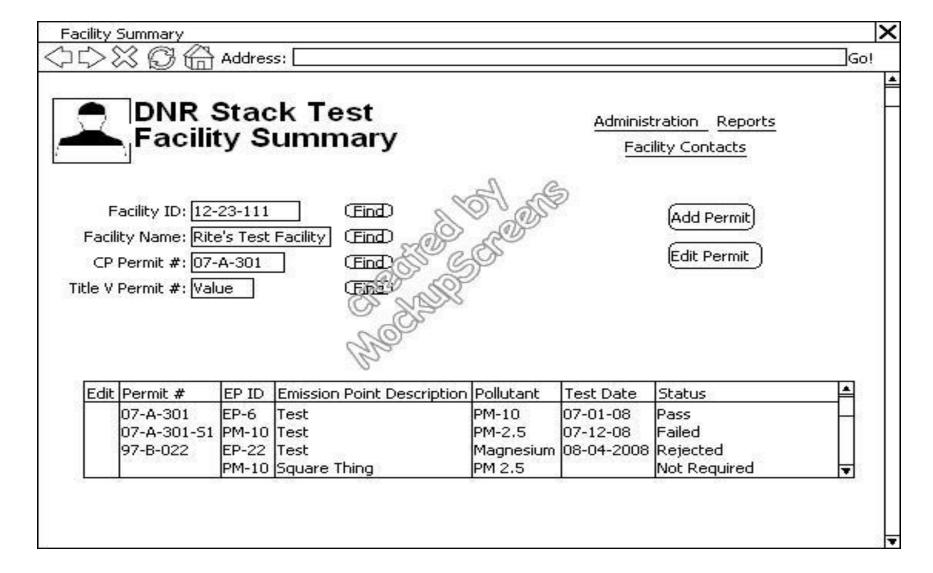
	Old Process	New Process	Percent Change
Steps with Loop Backs	484	166	Decrease of 65.7%
Actual Steps	95	66	Decrease of 30.5%
Delays	18	13	Decrease of 27.8%
Handoffs	21	17	Decrease of 19.1%
Decisions	14	13	Decrease of 7.1%
Functions	10	7	Decrease of 30.0%
Loops	4	1	Decrease of 75%
Percent Value Added	6.3% (6 of 95) or 1.2% (6 of 484)	13.6% (9 of 66) or 5.4% (9 of 166)	Increase of 50% (6 to 9)

The New Process

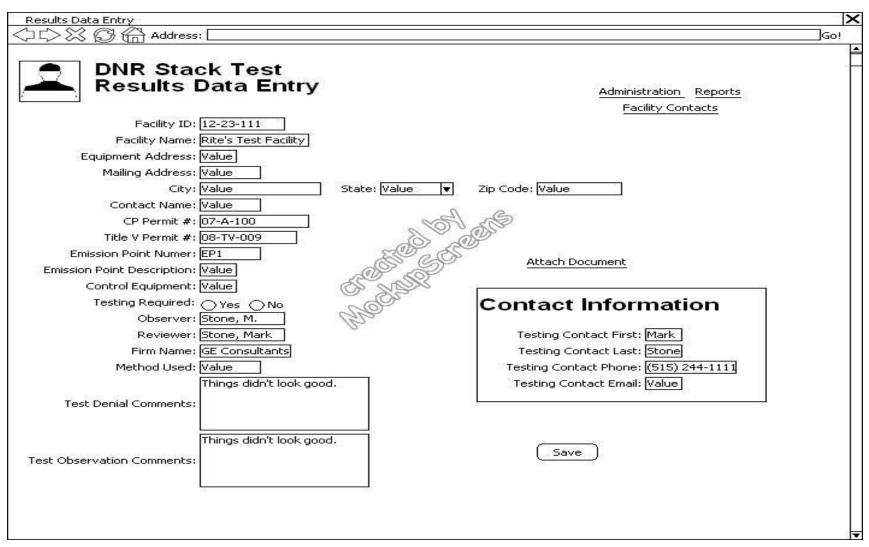
Dennis Thielen



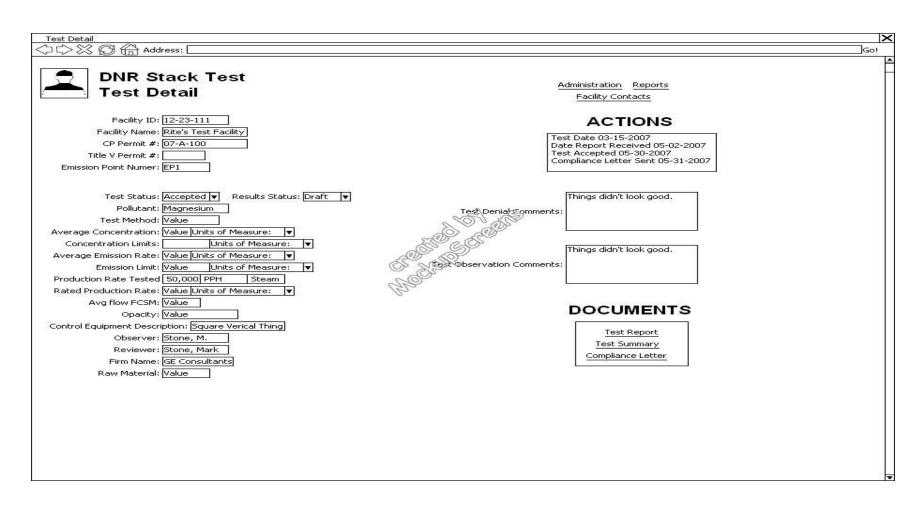
New App.: Facility Summary



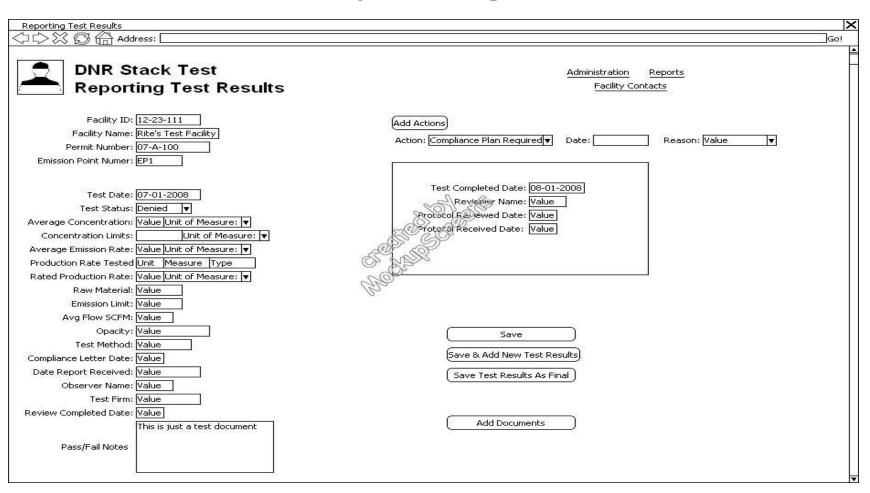
New App.: Results Data Entry



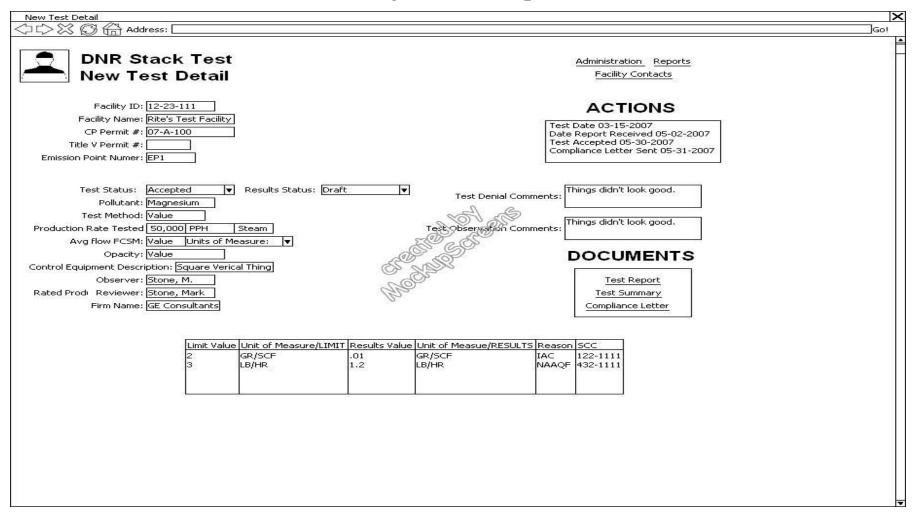
New App.: Test Detail



New App.: Reporting Test Results



New App.: New Test Detail



Nathan Stueve

Item	Item Description	Person Responsible	Due Date
1	SOP for Title V, Con-Perm for database entry	*Jeremy, Corey, Karrie	
2	Welcome call for Notification and Protocol SOP	*Sarah, Nathan	Done
3	Update Operating sheet, summary sheet	*Mark, Brian	8/15/08
4	SCC entering procedures and relation to app	Karrie	
5	SPARS Unit labels pare down	Sarah	9/15/08
6	E-copy of letters for comp. letters	*Brian, Nathan, Mark, Dennis	9/15/08
7	SOP for Stack Test data entry and protocol	*Nathan, Dennis	9/15/08

Nathan Stueve

Item	Item Description	Person Responsible	Due Date
8	SOP for querries	*Jeremy, Corey, Karrie, Diane, Rite	6/30/09
9	Put together manual	*Dennis and rest of team	6/30/09
10	SOP for support staff	*Diane, Karrie	6/30/09
11	SOP for Compliance	*Diane, Karrie	6/30/09
12	Standardized cover page/report	*Brian, Nathan, Mark	6/30/09
13	Standardize protocol	*Nathan, Dennis	6/30/09
14	Update permits notify	*Sarah, Rite	6/30/09

Jeremy Arndt

Item	Item Description	Person Responsible	Due Date
15	Potential update for SOCN and SUN	*Diane, *Sarah	6/30/09
16	Standardized cover letter for Con perm	*Corey, Sarah, Rite	6/30/09
17	Modify IAC rules: pre test	*Brian, Dennis, Mark	6/30/09
18	SOP of Historical Data P Drive and mbd Interns to QA/QC for historical data	*Sarah, Brian, Nathan, with team as needed	6/30/09
19	Potential data exports for EPA, AFS, ERT, etc.	*Dennis, Rite	6/30/09
20	Complete waiver form for notification necessary or not	*Corey, Dennis	6/30/09
21	SOP on Modifying Protocols	*Mark, Nathan	6/30/09

Diane Brockshus

Item	Item Description	Person Responsible	Due Date
22	New "Stack Testers" requirements decisions, letters, flags add to existing SOP	*Mark, Brian	6/30/09
23	SOP for compliance plans	See SOP for stack test data entry	
24	Build Data Management System	*IT DNR, Team	6/1/09
25	Review , Revise and test	*Team, IT DNR	30, 60, 90
26	NOTES: * = CHAMPION FOR THAT ITEM DESCRIPTION AND ARE RESPONSIBLE		
27	ALSO, BRIAN HUTCHINS WILL BE ASKING THE CHAMPIONS HOW THE WORK TO BE COMPLETED IS COMING ALONG.	FINALLY, AARON SCHMIDT WILL ASK BRIAN HOW THE ABOVE 25 ITEMS ARE BEING COMPLETED	

Team Member's Experience

Mark Stone

and

Comments

Dawn Connet,

Mike Rohlf,

and

Aaron Schmidt

We welcome your questions and comments!